

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: P851825

Luminaire Tested: RLFRC6FS-4000K

Issue Date: 7/3/2024

Test Information

Test Method: LM-79-2019
Report Number: P851825
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-4000K
Description: 6" Fire Rated Canless, 4000K CCT 1100lms,WH
Light Source: -
Ballast/Driver:

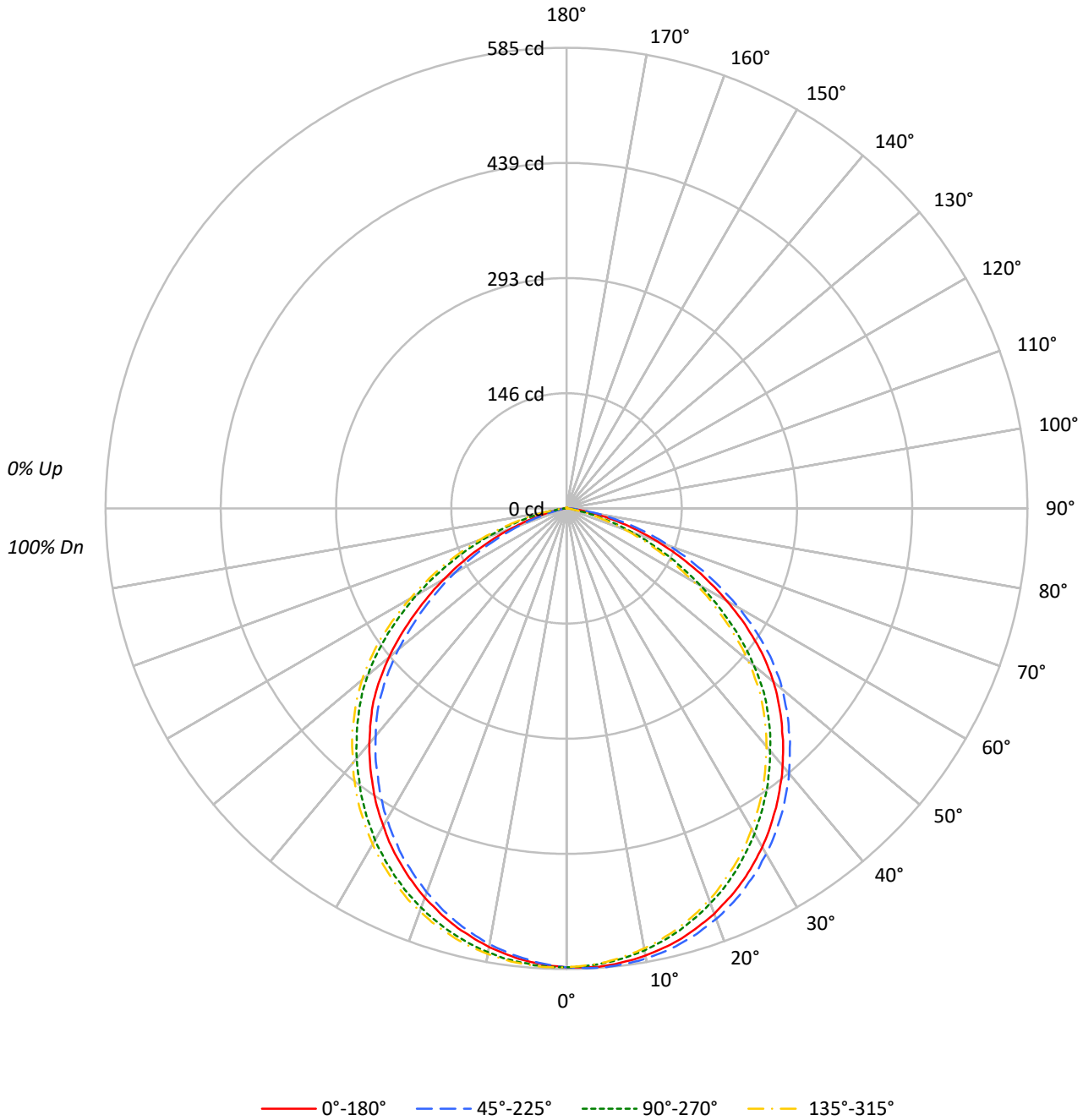
Summary

Lumens per Lamp: 1404.8 (1 lamp)
Luminaire Lumens: 1463.0 lumens
Efficiency: 104.1%
Efficacy: 112.5 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
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: P851825
CATALOG NUMBER: RLFR6FS-4000K

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	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																		
0	124	124	124	124	121	121	121	121	116	116	116	111	111	111	106	106	106	104
1	115	110	106	103	112	108	104	101	103	100	98	99	97	95	96	94	92	90
2	105	97	90	85	102	95	89	84	91	86	82	88	84	80	85	81	78	76
3	96	86	78	71	94	84	77	71	81	75	70	78	73	68	76	71	67	65
4	88	76	68	61	86	75	67	61	72	65	60	70	64	59	68	63	58	56
5	81	68	60	53	79	67	59	53	65	58	52	63	57	52	61	56	51	49
6	75	62	53	46	73	61	52	46	59	51	46	57	51	45	56	50	45	43
7	70	56	47	41	68	55	47	41	54	46	41	52	45	40	51	45	40	38
8	65	51	43	37	63	51	42	37	49	42	36	48	41	36	47	41	36	34
9	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	33	31
10	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	73345	73345	73345	73345
5°	73638	73145	72880	73284
10°	73684	72854	72279	73160
15°	73666	72271	71464	72793
20°	73392	71477	70445	72253
25°	72888	70555	69124	71568
30°	72194	69361	67573	70669
35°	71271	67860	65878	69412
40°	70084	66026	63973	68063
45°	68806	64143	61634	66475
50°	67175	60772	57542	64395
55°	63915	55840	51913	60602
60°	59124	49660	45054	55122
65°	52768	42137	37015	48063
70°	45112	32601	27192	39997
75°	35399	20909	16289	29126
80°	23554	9422	7465	16669
85°	13573	4476	3032	9675

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 71085 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	55.1	3.8	3.9
10°-20°	157.0	10.7	11.2
20°-30°	235.6	16.1	16.8
30°-40°	279.2	19.1	19.9
40°-50°	282.1	19.3	20.1
50°-60°	236.2	16.1	16.8
60°-70°	150.4	10.3	10.7
70°-80°	58.7	4.0	4.2
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°	447.7	30.6	31.9
0°-40°	726.9	49.7	51.7
0°-60°	1245.2	85.1	88.6
0°-90°	1462.8	100.0	104.1
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°	1463.0	100.0	104.1

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	583	583	583	583	583	
5°	583	579	577	580	583	55
15°	565	555	548	559	565	159
25°	525	508	498	515	525	242
35°	464	442	429	452	464	290
45°	387	360	346	374	387	298
55°	291	254	237	276	291	260
65°	177	142	124	161	177	176
75°	73	43	34	60	73	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	0



TEST NUMBER: P851825
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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	582.8	582.8	582.8	582.8	582.8	582.8	582.8	582.8	582.8	582.8	582.8
1°	583.0	583.5	583.4	583.6	582.5	582.6	582.1	582.6	581.8	582.1	581.6
2°	583.2	584.2	584.1	584.3	581.9	582.0	581.3	581.4	581.3	580.7	580.5
3°	583.5	584.1	584.6	584.7	581.1	581.3	580.6	580.1	579.8	579.3	578.9
4°	583.6	584.0	584.7	584.8	580.3	580.1	579.5	578.6	578.6	578.0	577.2
5°	582.9	583.9	584.8	584.5	579.0	578.8	578.2	577.0	576.9	576.1	574.7
6°	582.1	583.5	584.1	584.2	577.9	577.4	576.3	574.9	575.2	574.2	572.7
7°	580.7	582.3	583.3	583.1	576.0	576.3	574.6	572.9	573.0	571.7	570.5
8°	579.7	581.6	582.6	582.5	574.3	574.4	571.7	570.9	570.7	569.2	567.7
9°	578.4	580.3	581.8	581.8	572.1	571.6	570.0	568.4	568.0	566.9	565.0
10°	576.6	578.3	580.3	580.6	570.1	568.9	567.3	565.2	565.6	563.3	562.0
11°	574.7	576.9	578.8	578.8	567.3	566.9	564.4	562.6	562.4	560.8	558.5
12°	572.6	574.9	577.2	576.7	564.3	564.2	561.8	559.6	559.2	557.7	554.8
13°	570.4	573.0	575.4	574.8	561.5	561.1	558.1	555.7	555.4	553.6	551.2
14°	568.0	570.2	573.2	572.6	558.2	558.1	555.1	551.6	552.3	549.6	547.3
15°	565.4	567.5	570.4	570.2	554.7	554.4	550.9	548.2	548.5	545.8	542.9
16°	562.1	564.7	567.9	567.4	550.8	550.6	547.1	544.2	544.4	541.7	538.4
17°	558.7	561.9	565.2	564.6	546.8	547.0	543.1	539.1	540.3	537.0	534.0
18°	555.1	558.8	561.5	561.2	542.7	542.9	538.7	535.1	535.2	532.0	528.8
19°	551.5	555.2	558.2	557.7	538.6	538.2	533.9	530.0	530.7	527.7	523.8
20°	548.0	551.1	555.0	554.2	533.7	533.8	529.2	524.9	526.0	522.6	518.8
21°	543.3	547.1	551.4	550.3	529.1	528.7	524.5	520.2	520.9	516.6	512.9
22°	538.9	542.9	546.8	546.9	524.5	523.8	518.9	514.4	515.1	511.3	507.5
23°	534.7	538.8	542.9	542.0	519.2	519.3	513.2	509.3	509.8	505.8	501.5
24°	530.0	533.9	538.5	537.5	513.6	513.2	507.2	503.3	504.0	499.9	495.4
25°	524.9	529.1	533.8	532.9	508.1	507.4	502.0	497.2	497.8	493.6	489.8
26°	519.6	523.8	528.2	528.1	502.3	501.9	496.3	491.2	492.1	487.7	483.4
27°	514.2	519.1	523.5	523.3	495.9	495.5	489.6	485.1	485.8	481.4	475.7
28°	508.3	512.7	518.6	517.5	489.9	489.4	483.8	478.6	479.4	474.2	469.7
29°	502.5	507.9	512.2	512.4	483.6	483.1	477.1	471.5	472.4	467.3	462.8
30°	496.8	502.0	506.8	506.0	477.3	476.8	469.9	464.4	465.0	460.1	455.1
31°	490.5	495.3	501.0	500.1	469.8	469.6	463.2	457.6	458.5	452.7	448.9
32°	484.0	489.0	494.9	494.2	463.2	462.4	456.2	450.1	451.4	446.1	440.9
33°	477.1	482.9	488.3	488.1	456.1	455.7	449.0	443.0	444.5	438.7	433.5
34°	470.3	476.6	482.0	481.8	448.7	448.5	442.0	435.6	436.7	431.1	425.5
35°	463.9	469.3	475.3	474.4	441.7	441.1	434.5	427.7	428.8	423.3	417.2
36°	456.4	462.2	468.8	467.5	434.2	433.9	426.4	420.1	421.2	415.0	409.7
37°	449.0	454.7	461.0	461.1	426.0	426.1	418.7	412.0	413.8	407.9	402.4
38°	441.7	447.9	453.9	452.9	418.2	417.9	410.5	404.6	405.3	399.5	393.8
39°	434.8	439.9	447.2	446.0	410.2	410.7	402.8	396.1	397.6	391.8	385.1
40°	426.6	432.6	439.5	438.7	401.9	402.2	395.0	388.0	389.4	382.9	376.8
41°	418.6	425.1	431.4	430.8	394.4	394.5	386.5	379.5	380.3	375.0	368.7
42°	411.0	416.5	423.7	423.2	386.5	385.8	377.8	370.9	372.3	366.0	360.2
43°	402.9	408.8	415.7	415.5	377.9	376.7	369.2	362.7	363.5	357.2	351.6
44°	394.1	400.9	408.5	407.7	368.9	368.8	360.5	353.9	355.4	348.6	342.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	386.6	393.1	399.1	399.4	360.4	359.6	351.5	344.4	346.3	339.5	331.7
46°	378.3	384.2	391.7	391.0	352.0	351.3	342.9	334.3	336.3	329.7	321.8
47°	369.2	376.0	383.5	382.8	342.3	341.5	332.9	324.4	326.5	318.6	310.8
48°	360.9	367.6	374.5	373.8	331.6	331.7	321.8	314.0	315.2	308.3	300.3
49°	352.0	358.4	366.0	365.6	321.4	321.7	312.0	302.7	305.4	297.8	289.9
50°	343.1	349.1	357.8	356.7	310.4	310.1	300.4	292.1	293.9	285.8	278.4
51°	333.4	340.7	349.0	348.0	299.9	300.3	290.3	281.2	283.5	274.5	266.5
52°	323.7	331.0	339.1	339.0	289.4	289.4	278.5	269.1	271.0	264.0	254.8
53°	313.4	320.5	329.3	328.6	277.3	277.3	266.7	257.6	260.3	251.4	242.7
54°	302.8	310.2	319.6	318.1	266.2	266.1	255.7	245.3	248.0	239.7	232.4
55°	291.3	299.5	308.3	307.7	254.5	254.7	243.6	234.1	236.6	228.6	220.4
56°	280.5	288.9	297.7	295.7	242.4	242.7	231.5	223.8	225.1	217.5	208.7
57°	270.3	276.9	286.5	285.5	231.3	230.5	221.0	211.7	213.7	206.2	197.0
58°	257.6	266.1	275.9	274.6	219.8	219.4	210.1	200.0	202.5	193.7	186.7
59°	246.2	255.1	263.5	262.9	208.5	209.0	197.4	188.2	191.2	182.7	174.9
60°	234.9	242.4	252.3	251.1	197.3	197.2	186.7	176.6	179.0	171.3	163.5
61°	223.5	231.0	241.3	239.7	185.7	184.9	174.2	165.3	168.3	160.6	153.3
62°	212.4	219.5	228.7	228.7	173.8	174.0	163.2	155.4	157.7	149.2	141.1
63°	200.0	208.9	217.4	217.0	162.5	162.2	152.3	143.6	145.8	138.2	130.3
64°	189.5	196.9	205.8	204.8	153.0	152.7	141.6	132.4	135.7	127.3	120.6
65°	177.2	185.7	195.4	193.7	141.5	140.6	131.1	121.5	124.3	116.9	109.2
66°	166.2	175.0	182.7	182.6	130.5	130.4	119.1	110.6	113.0	105.7	98.9
67°	155.3	162.6	172.1	170.5	119.3	118.2	109.9	101.2	103.5	96.6	89.4
68°	144.7	151.3	161.2	159.8	108.4	108.7	98.8	90.6	93.1	87.1	79.6
69°	133.0	141.5	150.0	148.8	98.9	98.0	89.6	81.6	84.1	76.9	70.5
70°	122.6	130.6	138.5	137.8	88.6	88.9	79.9	72.4	73.9	67.2	60.7
71°	112.5	120.8	129.0	126.5	79.3	79.0	70.5	61.9	64.4	58.3	52.4
72°	102.1	109.1	118.3	116.6	70.3	69.4	60.4	54.0	56.4	50.4	45.1
73°	92.5	99.5	108.0	105.8	59.7	60.5	51.7	45.5	47.9	42.3	37.6
74°	82.3	89.6	97.1	95.4	50.9	52.2	44.0	39.6	40.2	35.5	30.5
75°	72.8	79.6	87.3	85.3	43.0	43.5	37.4	31.3	33.5	29.0	24.2
76°	62.8	70.2	77.9	76.3	35.4	36.6	30.5	25.5	27.0	22.6	18.8
77°	54.6	61.3	67.8	67.5	28.8	29.4	23.9	19.4	21.5	18.2	14.6
78°	46.6	53.3	59.3	57.5	22.0	23.2	18.7	15.3	16.2	13.3	11.0
79°	39.5	44.7	51.5	49.8	16.5	17.9	14.0	12.0	12.4	10.1	8.7
80°	32.5	37.9	43.9	42.3	13.0	13.5	10.9	8.8	10.3	8.1	6.2
81°	25.7	31.2	35.9	35.0	9.5	9.4	7.7	8.1	8.4	6.8	6.1
82°	20.3	25.3	29.5	28.4	6.7	8.5	6.3	6.1	6.7	4.1	4.0
83°	16.2	19.2	23.8	22.0	6.5	7.2	5.7	4.5	4.9	3.9	3.1
84°	12.1	14.3	17.8	16.6	5.2	5.6	4.1	3.0	3.9	3.1	2.1
85°	9.4	10.7	14.0	12.9	3.1	4.2	2.5	2.4	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	6.1	5.7	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89°	3.4	4.5	5.1	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P851825
 CATALOG NUMBER: RLFR66FS-4000K

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	1.2	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: P851825
 CATALOG NUMBER: RLFRC6FS-4000K

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	1.4	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: P851825
CATALOG NUMBER: RLFRC6FS-4000K

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: P851825
 CATALOG NUMBER: RLFRC6FS-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	582.8	582.8	582.8	582.8	582.8	582.8
1°	582.0	582.8	582.6	583.1	583.6	583.0
2°	580.8	582.6	582.8	583.0	583.7	583.2
3°	579.1	582.1	582.1	583.1	583.9	583.5
4°	577.7	581.6	581.1	582.3	583.5	583.6
5°	575.6	580.1	580.4	581.5	583.1	582.9
6°	573.6	579.4	579.1	580.7	581.9	582.1
7°	571.0	577.9	578.0	579.7	581.8	580.7
8°	568.4	576.7	576.5	578.1	580.5	579.7
9°	565.9	574.2	574.6	576.5	578.8	578.4
10°	562.0	572.5	572.9	574.8	577.3	576.6
11°	558.9	570.3	570.6	572.7	575.5	574.7
12°	555.7	567.6	567.9	570.5	573.8	572.6
13°	551.9	564.8	565.1	568.0	571.1	570.4
14°	547.8	561.9	562.4	565.5	568.6	568.0
15°	543.7	558.7	558.9	562.3	565.7	565.4
16°	539.4	555.4	555.8	559.0	563.5	562.1
17°	534.9	551.6	552.0	555.9	560.0	558.7
18°	529.9	547.8	548.3	552.6	556.3	555.1
19°	525.2	543.9	543.9	548.4	552.7	551.5
20°	519.2	539.5	539.7	544.6	548.9	548.0
21°	514.0	534.9	535.5	540.1	544.6	543.3
22°	508.8	530.4	530.8	536.1	540.2	538.9
23°	502.5	525.7	525.7	531.0	536.1	534.7
24°	496.5	520.1	521.0	526.1	531.2	530.0
25°	490.9	515.4	515.7	521.2	525.9	524.9
26°	484.1	509.2	510.0	515.5	521.1	519.6
27°	477.5	504.2	504.0	510.0	515.8	514.2
28°	470.9	497.9	498.4	504.3	509.7	508.3
29°	463.4	492.4	492.1	498.7	504.1	502.5
30°	456.8	486.3	486.3	492.2	498.4	496.8
31°	450.0	479.0	480.2	485.8	492.3	490.5
32°	442.1	472.5	473.0	479.8	486.2	484.0
33°	434.3	465.9	466.6	472.6	479.5	477.1
34°	427.0	458.7	459.4	466.2	472.7	470.3
35°	419.7	451.8	451.4	459.5	465.4	463.9
36°	411.0	444.7	444.8	452.2	458.3	456.4
37°	404.1	436.5	437.8	444.8	451.6	449.0
38°	395.0	429.0	429.4	437.4	444.5	441.7
39°	387.5	422.1	422.4	430.0	436.9	434.8
40°	378.9	414.3	414.6	421.6	429.0	426.6
41°	370.0	406.7	406.9	414.0	421.4	418.6
42°	361.9	397.9	399.1	406.7	414.2	411.0
43°	352.9	390.2	390.4	398.8	406.2	402.9
44°	343.6	382.2	382.7	391.1	397.1	394.1



TEST NUMBER: P851825
 CATALOG NUMBER: RLFRC6FS-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	334.1	373.5	373.8	382.2	389.2	386.6
46°	323.6	365.6	365.4	373.7	380.9	378.3
47°	313.3	356.6	357.3	365.9	372.4	369.2
48°	302.6	348.5	348.4	357.1	364.3	360.9
49°	292.0	338.5	339.4	347.5	355.6	352.0
50°	281.0	328.9	329.0	338.6	346.8	343.1
51°	268.5	319.3	319.4	329.2	337.3	333.4
52°	257.0	308.7	309.1	318.6	327.1	323.7
53°	245.5	297.7	298.8	308.2	317.2	313.4
54°	234.8	286.8	287.1	297.9	306.0	302.8
55°	222.8	276.2	276.1	287.1	295.4	291.3
56°	211.0	263.9	265.3	275.1	284.4	280.5
57°	200.1	253.1	253.0	264.0	273.5	270.3
58°	188.2	241.4	241.8	252.0	261.3	257.6
59°	177.8	230.4	230.6	240.4	250.8	246.2
60°	166.0	219.0	219.2	228.9	239.1	234.9
61°	155.1	207.1	207.5	218.1	227.9	223.5
62°	142.9	195.7	196.5	206.1	215.7	212.4
63°	132.6	183.7	184.9	195.0	204.3	200.0
64°	121.2	173.0	173.2	184.1	193.3	189.5
65°	111.7	161.4	161.9	173.1	181.4	177.2
66°	101.2	151.2	151.4	161.8	170.1	166.2
67°	91.4	139.8	139.8	150.2	159.3	155.3
68°	81.9	128.9	128.9	139.6	148.9	144.7
69°	72.2	118.3	118.1	129.1	137.1	133.0
70°	62.2	108.7	108.0	117.5	126.3	122.6
71°	54.1	97.3	98.2	107.8	115.4	112.5
72°	46.5	88.5	87.9	97.3	104.8	102.1
73°	39.3	78.2	78.6	87.6	95.0	92.5
74°	31.4	68.5	69.7	76.7	85.3	82.3
75°	25.3	59.9	60.5	68.0	75.8	72.8
76°	19.7	51.8	51.1	59.2	65.8	62.8
77°	14.9	43.7	43.6	51.4	57.3	54.6
78°	11.4	36.9	36.4	42.3	49.5	46.6
79°	9.8	29.0	29.1	35.6	41.1	39.5
80°	7.2	23.0	22.9	28.6	34.2	32.5
81°	5.6	17.5	18.0	22.3	26.8	25.7
82°	4.6	13.1	14.2	17.5	21.9	20.3
83°	2.8	9.5	10.6	13.5	17.1	16.2
84°	1.6	8.2	8.1	10.2	12.6	12.1
85°	0.0	6.7	7.0	8.1	9.9	9.4
86°	0.0	4.7	5.7	6.6	8.1	7.8
87°	0.0	4.1	4.0	5.4	6.8	6.2
88°	0.0	2.6	2.9	4.3	5.2	4.6
89°	0.0	1.4	1.6	2.9	4.2	3.4



TEST NUMBER: P851825
 CATALOG NUMBER: RLFRC6FS-4000K

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: P851825
 CATALOG NUMBER: RLFR6FS-4000K

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: P851825
CATALOG NUMBER: RLFRC6FS-4000K

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)